

This is a

CONTROLLED DOCUMENT

ROCKY FLATS PLANT

EMD OPERATING

PROCEDURES MANUAL

Manual No.:

5-21000-OPS-GT

Procedure No.:

Table of Contents, Rev 29

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Effective Date:

11/13/92

Organization:

Environmental Management

This is a RED Stamp

THIS IS ONE VOLUME OF A SIX VOLUME SET WHICH INCLUDES:

VOLUME I: FIELD OPERATIONS (FO)
VOLUME II: GROUNDWATER (GW)
VOLUME III: GEOTECHNICAL (GT)
VOLUME IV: SURFACE WATER (SW)
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DCN 92.01	Specialized Logging Form	2	11/13/92
GT.02	Drilling and Sampling Using Hollow Stem Auger Techniques	2	05/12/92
DCN 92.01	Superseded by DCN 92.03	2	07/27/92
DCN 92.02	Superseded by DCN 92.03	2	07/27/92
DCN 92.03	Addition of the Drum Characterization	2	07/27/92
DCN 92.04	Prevention of Down Hole Contamination	2	08/26/92
GT.03	Isolating Bedrock from Alluvium with Grouted Surface Casing	2	05/12/92
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GT.04	Rotary Drilling and Rock Coring	2	05/12/92
GT.05	Plugging and Abandonment of Boreholes	2	05/12/92

DOCUMENT CLASSIFICATION REVIEW WAIVER
PER R.B. HOFFMAN, CLASSIFICATION OFFICE
JUNE 11, 1991

ADMIN RECORD

A-SW-000502

**ROCKY FLATS PLANT
EMD OPERATING
PROCEDURES MANUAL**

Manual No.: 5-21000-OPS-GT
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Effective Date: 11/16/92
Organization: Environmental Management

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GT.21	Cone Penetrometer Testing	1	05/12/92
GT.24	Approval Process for Construction Activities on or Near Individual Hazardous Substance Sites (IHSSs)	0	05/12/92

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EG&G - ROCKY FLATS PLANT DOCUMENT CHANGE NOTICE (DCN)
ENVIRONMENTAL MANAGEMENT

Procedure Number **RED 5421000-OPS-GT.1, Rev. 2**

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Title Logging Alluvial and Bedrock Material			Date 11/9/92	DCN Number 9201			
Expires <u>11/9/93</u> Procedure Revision Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>Kum</i>							
Scope Limitation: <u>Geotechnical Evaluation of Earthen Dams Project</u>							
Item Number	Page	Step or Paragraph	Changes (Use DCN CONTINUATION SHEET for additional space)				
1	7 of 34	Section 5.1.1	Add after third sentence of paragraph #2: However, for geotechnical operations, the engineering properties of the material are very important. Therefore, a specialized logging form will be used (Form GT.1C, Borehole Log for Geotechnical Operations.				
2	34 of 34	Sect. 7.0	Add at the end of the first sentence: or on the Borehole Log for Geotechnical Operations (Form GT.1C).				
Justification (Reason for change - Provide numbers to reference corresponding items above.) 1 & 2 above: A new logging form was needed to record engineering properties, which do not appear on the existing Borehole Log (Form GT.1A).							
Concurrence	Organization	Req.	Date	Concurrence	Organization	Req.	Date
<i>[Signature]</i>	QAPM	X	11/13/92	<i>[Signature]</i>	User	X	11/12/92
<i>[Signature]</i>	EOM	X	11-13-92				
Approval of Responsible Manager		Date		Is Posting required?		If Yes, by what date?	
<i>[Signature]</i>		13 Nov 92		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		upon receipt	
						Date posted	

BOREHOLE LOG FOR GEOTECHNICAL OPERATIONS

BOREHOLE NO.: _____ PROJECT NAME: _____ PAGE ____ OF ____

RIG GEOLOGIST: _____ SUBCONTRACTOR: _____

DEPTH TO BEDROCK (FT): _____ DEPTH TO WATER TABLE (FT): _____ DATE: _____

CLASSIFICATION OF LAYERS

[illegible]

CLASSIFICATION OF INDIVIDUAL SAMPLES

[illegible]

NOTES: 1. SAMPLE TYPES: SS = 2" O.D. SPLIT SPOON CAL = CALIFORNIA SPOON ST = SHELBY TUBE

2, S = SLIGHT M = MODERATE H = HIGHLY